

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	15	"398"/\$7.ccls. and master near3 oscillator\$1 with power near3 oscillator\$1	US-PGPUB; USPAT	OR	ON	2007/01/27 20:26
L2	19	("3437955"   "3662289"   "4105949"   "4264875"   "4468766"   "4481485").PN. OR ("4503403"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/27 20:25
L3	141	"398"/\$7.ccls. and power near3 oscillator\$1	US-PGPUB; USPAT	OR	ON	2007/01/27 20:26
L4	109	"398"/\$7.ccls. and power near2 oscillator\$1	US-PGPUB; USPAT	OR	ON	2007/01/27 20:26
L5	60	"398"/\$7.ccls. and power near2 oscillator\$1 same (laser?diode or ld or laser or light or emitter or led)	US-PGPUB; USPAT	OR	ON	2007/01/27 20:40
L6	15	"398"/\$7.ccls. and oscillator\$1 with (laser?diode or ld or laser or light or emitter or led) near3 (array or arrayed)	US-PGPUB; USPAT	OR	ON	2007/01/27 20:41
S1	171	398/187.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/31 20:08
S2	1	"20040101317"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/01 16:28
S3	2	S1 and yap	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/31 20:08
S4	27	"5222162"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/31 20:10
S5	14	"4755016"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/31 20:10
S6	39	"4649351"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/31 21:45
S7	19	S5 or S6 and (fm or frequency with mod\$7)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/31 21:50
S8	5	S7 and external near4 mod\$7	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/31 21:46
S9	7	S7 and (driv\$6 or slave) near6 (ld or laser or light or emitter)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/31 22:01

## EAST Search History

S10	1	"4755016".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/31 22:01
S11	23	("3312905"   "3691483"   "3704427"   "3809887"   "4209689"   "4578791"   "4635246"   "4661786"   "4685111").PN. OR ("4755016"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/01 08:54
S12	127379	"11" and (po or power near4 oscillat\$7)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/01 16:07
S13	23	("3312905"   "3691483"   "3704427"   "3809887"   "4209689"   "4578791"   "4635246"   "4661786"   "4685111").PN. OR ("4755016"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/01 16:07
S14	2	S13 and (po or power near4 oscillat\$7)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/01 16:08
S15	0	"398"/\$7.ccls and (po or power near4 oscillat\$7)with (slave or drive or driving) near5 (ld or laser\$1 or light or emitter or led or dfb)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/01 16:09
S16	259	(po or power near4 oscillat\$7)with (slave or drive or driving) near5 (ld or laser\$1 or light or emitter or led or dfb)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/01 16:10
S17	90	("398"/\$7.ccls. or "359"/\$7.ccls. or "370"/\$7.ccls. or "372"/\$7.ccls. or "375"/\$7.ccls. or "379"/\$7.ccls.) and (po or power near4 oscillat\$7)with (slave or drive or driving) near5 (ld or laser\$1 or light or emitter or led or dfb)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/01 19:54
S18	361	("398"/\$7.ccls. or "359"/\$7.ccls. or "370"/\$7.ccls. or "372"/\$7.ccls. or "375"/\$7.ccls. or "379"/\$7.ccls.) and power near2 oscillat\$7 and inject\$5 near3 laser\$1	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/01 16:18
S19	49	("398"/\$7.ccls. or "359"/\$7.ccls. or "370"/\$7.ccls. or "372"/\$7.ccls. or "375"/\$7.ccls. or "379"/\$7.ccls.) and power near2 oscillat\$7 same (driv\$4 or slave or slaved) and inject\$5 near3 laser\$1	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/01 16:23
S20	1	"4649351".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/01 16:28

## EAST Search History

S21	46	("3691483"   "3763441"   "4168107"   "4264869"   "4295741"   "4305666"   "4362359"   "4382660"   "4410237"   "4442550").PN. OR ("4649351").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/01 16:29
S22	68	S13 or S21	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/01 16:29
S23	1	"4862467".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/01 16:29
S24	11	("3691483"   "4649351").PN. OR ("4862467").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/01 16:29
S25	73	S22 or S24	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/01 16:29
S26	5	S25 and power near2 oscillat\$7	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/01 16:30
S27	6	S25 and (po or power near2 oscillat\$7)	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/01 16:31
S28	15	"398"/\$7.ccls. and power adj oscillator	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/01 16:49
S29	179	power adj oscillator and master adj oscillator	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/01 17:04
S30	18	(amplifier or power adj oscillator) near3 locked same (mo or master near3 oscillator)	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/01 19:54
S31	6	("3646468"   "3646469"   "4025875"   "4264870"   "4320359"   "4393503").PN. OR ("4549299").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/01 19:42
S32	30	"398"/\$7.ccls. and power adj oscillat\$7	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/01 19:54
S33	6375	(amplifier or power adj oscillator) near3 cascad\$3	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/01 19:54
S34	929	S33 and ("398"/\$7.ccls. or "359"/\$7.ccls. or "370"/\$7.ccls. or "372"/\$7.ccls. or "375"/\$7.ccls. or "379"/\$7.ccls.)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/01 19:55

## EAST Search History

S35	43	S33 and ("398"/\$7.ccls. or "359"/\$7.ccls. or "370"/\$7.ccls. or "372"/\$7.ccls. or "375"/\$7.ccls. or "379"/\$7.ccls.) and (master near2 oscillator or injection near3 lock\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/01 19:56
S36	138	(laser or ld) with (bias or driv\$4) near4 (current or voltage) with phase near6 (adjust\$5 or alter\$4 or adjust\$5 or tuning or tunable or calibrat\$3 or adjust\$3 or regulat\$3 or chang\$6 or adapt\$5 or alter\$4)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/25 18:54
S37	9	(US-7046432-\$ or US-4776669-\$ or US-5027360-\$ or US-4649351-\$ or US-4755016-\$ or US-3747004-\$ or US-6917631-\$ or US-5146616-\$ or US-5793512-\$).did.	USPAT	OR	ON	2007/01/25 18:54
S38	24	("3312905"   "3691483"   "3704427"   "3809887"   "4209689"   "4578791"   "4635246"   "4661786"   "4685111").PN. OR ("4755016").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/25 18:59
S39	1421	beam near3 steer\$3 with phas\$5 near2 array\$3	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/25 19:00
S40	35	beam near3 steer\$3 with phas\$5 near2 array\$3 with (laser\$1 or ld)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/25 19:08
S41	262	beam near3 steer\$3 with phas\$5 near2 array\$3 same (laser\$1 or ld or light adj source or optical or optics)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/25 19:08
S42	21	beam near3 steer\$3 with phas\$5 near2 array\$3 same (laser\$1 or ld or light adj source or optical or optics) same (bias or driv\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/25 19:12
S43	121	(coheren\$4 near4 wavefront or beam near3 steer\$3) same (laser\$1 or ld or light adj source or optical or optics or emitter\$1) same (bias or driv\$4) near4 (current or voltage or signal) with phase	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/25 19:24
S44	11	("4493085"   "4500855"   "4633103"   "4778261"   "4794344"   "4812682"   "4853528"   "4934779").PN. OR ("5351250").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/25 19:21

## EAST Search History

S45	1587	(laser\$1 or ld or light adj source or optical or optics or emitter\$1) same (bias or driv\$4) near4 (current or voltage or signal) with phase near3 (adjust\$3 or alter\$4 or adjust\$3 or tuning or tunable or calibrat\$3 or adjust\$3 or regulat\$3 or chang\$6 or adapt\$5 or alter\$4 or modulat\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/25 19:28
S46	305	(laser\$1 or ld or light adj source or optical or optics or emitter\$1) same (bias or driv\$4) near4 (current or voltage or signal) with phase near3 (adjust\$3 or alter\$4 or adjust\$3 or tuning or tunable or calibrat\$3 or adjust\$3 or regulat\$3 or chang\$6 or adapt\$5 or alter\$4 or modulat\$5) and "398"/\$7.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/25 19:32
S47	239	(laser\$1 or ld or light adj source or optical or optics or emitter\$1) with (bias or driv\$4) near4 (current or voltage or signal) with phase near3 (adjust\$3 or alter\$4 or adjust\$3 or tuning or tunable or calibrat\$3 or adjust\$3 or regulat\$3 or chang\$6 or adapt\$5 or alter\$4 or modulat\$5) and "398"/\$7.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/25 19:29
S48	149	(laser\$1 or ld or light adj source or emitter\$1) same (bias or driv\$4) near4 (current or voltage or signal) with phase near3 (adjust\$3 or alter\$4 or adjust\$3 or tuning or tunable or calibrat\$3 or adjust\$3 or regulat\$3 or chang\$6 or adapt\$5 or alter\$4 or modulat\$5) and "398"/\$7.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/25 19:30
S49	88	(laser\$1 or ld or light adj source or emitter\$1) with (bias or driv\$4) near4 (current or voltage or signal) with phase near3 (adjust\$3 or alter\$4 or adjust\$3 or tuning or tunable or calibrat\$3 or adjust\$3 or regulat\$3 or chang\$6 or adapt\$5 or alter\$4 or modulat\$5) and "398"/\$7.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/25 19:30

## EAST Search History

S50	4	(laser\$1 or ld or light adj source or optical or optics or emitter\$1) same (bias or driv\$4) near4 (current or voltage or signal) with phase near3 (adjust\$3 or alter\$4 or adjust\$3 or tuning or tunable or calibrat\$3 or adjust\$3 or regulat\$3 or chang\$6 or adapt\$5 or alter\$4 or modulat\$5) and "398"/\$7.ccls. and beam near4 steer\$5	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/25 19:36
S51	132	(laser\$1 or ld or light adj source or optical or optics or emitter\$1) same (bias or driv\$4) near4 (current or voltage or signal) with phase near3 (adjust\$3 or alter\$4 or adjust\$3 or tuning or tunable or calibrat\$3 or adjust\$3 or regulat\$3 or chang\$6 or adapt\$5 or alter\$4 or modulat\$5)and beam near4 steer\$5	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/25 19:36
S52	31	("4778235"   "5082342").PN. OR ("5239598").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/25 20:10
S53	16	(US-20020168134-\$ or US-20020147400-\$).did. or (US-7046432-\$ or US-4776669-\$ or US-5027360-\$ or US-4649351-\$ or US-4755016-\$ or US-3747004-\$ or US-6917631-\$ or US-5146616-\$ or US-5793512-\$ or US-6400871-\$ or US-6665111-\$ or US-5351250-\$ or US-6970279-\$ or US-5239598-\$). did.	US-PGPUB; USPAT	OR	ON	2007/01/26 09:44
S54	96	(bias or drive or driving or applied or applying) near3 (current or voltage) with (laser?diode or ld or laser or light or emitter or led) with phase and (beam?steer\$3 or beam near3 steer\$5)	US-PGPUB; USPAT	OR	ON	2007/01/26 11:48
S55	19	("4201442"   "4278327"   "4385799"   "4478494"   "4720171"   "4720172"   "4737019"   "4836657"   "4856863"   "4882235"   "4964701"   "4988157"   "5018835"   "5093747"   "5126869"   "5299054"   "5373393"   "5440654"   "5539543").PN. OR ("6704474"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/26 10:08
S56	2	"20020147400"	US-PGPUB; USPAT	OR	ON	2007/01/27 20:23